

# **Appendix B:**

## **Workshop on Treating Great Lakes Contaminated Sediment**



# Workshop on Treating Great Lakes Contaminated Sediment

**Tuesday, April 24 - Wednesday, April 25, 2001**  
**Holiday Inn, North Campus, 3600 Plymouth Road,**  
**Ann Arbor, Michigan**

*This workshop on sediment treatment technologies is sponsored by the United States Environmental Protection Agency (USEPA)-Great Lakes National Program Office (GLNPO), Environment Canada, and the Great Lakes Commission in cooperation with the Great Lakes Binational Toxics Strategy.*

## DAY 1

**Moderators: Griff Sherbin, Environment Canada and Marc Tuchman, GLNPO**

**9:00 Registration**

**10:00 Welcome and Introductions**

Gary Gulezian, Director, Great Lakes National Program Office (invited)

**10:10 Workshop Objectives and Links to the Binational Toxics Reduction Strategy**

Jim Smith, Acting Regional Director, Environmental Protection Branch, Environment Canada

**10:25 NGO Perspective on Treatment Technologies**

Margaret Wooster, Great Lakes United

**10:35 Industry Perspective on Treatment Technologies**

Steve Garbaciak, EBL, Inc.

**10:45 Overview of the Role of Treatment Technologies in Sediment Management**

Jan Miller, U.S. Army Corps of Engineers-Great Lakes and Ohio River Division

**11:15 History of Sediment Treatment and Clean-up Technologies in the Great Lakes Basin**

- U.S. ARCS Program, Summary of Projects—Scott Cieniawski, GLNPO
- Canada Great Lakes Program, Summary of Projects—Roger Santiago, Environment Canada

**11:45 - 1:00 LUNCH** (*lunch is provided as part of the registration fee*)

**1:00 Site Specific/Regional Approaches**

- New York/New Jersey—Eric Stem, USEPA-Region 2
- Puget Sound—John Dohmann, Puget Sound Water Quality Action Team

**1:45 Treatment Technologies**

- Cement Lock Process—Anil Goyal, Gas Technology Institute
- Glass Furnace Technology—Terry Carroll, Minergy Corporation
- Manufactured Soil—Chuck Wilde, Biogenesis
- Particle Separation—Trudy Olin-Estes, U.S. Army Corps of Engineers



**3:00 Break****3:15 Treatment Technologies (continued)**

- Electrochemical Geo-Oxidation– Dr. Donald G. Hill, Weiss Associates
- TORBED/GPCR Combination–Beth Kummling, Eco Logic

**4:00 Bioremediation**

- Development of Bioremediation Techniques for Dredge Material from Milwaukee and Green Bay–David Bowman, U.S. Army Corps of Engineers-Detroit
- Daramend Technology;Ex-situ Application–David Raymond-Grace, Bioremediation Technologies

**4:45 Question & Answer Session on Regional Approaches****5:00 PM Adjourn for Day****DAY 2**

*Moderators: Griff Sherbin, Environment Canada and Marc Tuchman, GLNPO*

**7:30 Continental Breakfast****8:30 Panel Discussion 1 - Solutions to Overcome the Barriers to Sediment Remediation**

- Barriers to Sediment Remediation–Gail Krantzberg, Ontario Ministry of Environment
- Panel Members
  - Emily Green, Sierra Club
  - Bill Fitzpatrick, Wisconsin DNR
  - Steve Garbaciak, EBL, Inc.
  - Rick Nagle, USEPA-Region 5
  - Mike Zarull, Environment Canada
  - Tom Nelson, Oneida Nation
- Discussion and Questions (30 minutes)

**10:00 BREAK****10:15 Panel Discussion 2- Solutions to Overcome Barriers to Implementation of Treatment Technologies (How do we make treatment a viable option for remediation?)**

- Barriers to Use of Treatment Technologies–Dennis Timberlake, US EPA Office of Research and Development
- Panel Members
  - Terry Carroll, Minergy Corporation
  - Margaret Wooster, Great Lakes United
  - Mark Oemke, Michigan DEQ
  - Murray Brooksbank, Environment Canada
- Discussion and Questions (30 minutes)

**11:45 Workshop Wrap-Up**

Dave Cowgill, GLNPO

**12:00 ADJOURN**